

ETCleanFuels:

ET Projects & Questions



ETCleanFuels.org
Reducing foreign oil dependence one fleet at a time.

Agenda



1. Project Snapshots of Work in ET, TN, beyond
2. My questions to you – how do ...?

ETCleanFuels' 2011 Founding Partners:



Who is ETCleanFuels?

- ✓ 10-year old nonprofit in East TN, 501(c)3
- ✓ Designated member of U.S. DOE Clean Cities Program (~90)
- ✓ Focused on transp. sector change:
diversify away from oil & use less!



What Does ETCleanFuels Do?

- ✓ ***Support East Tennessee fleets***
- ✓ Direct fleet & fuel supplier meetings
- ✓ *Hold quarterly regional (Knox., Chatt., Tri-Cities) open meetings*
- ✓ Workshops & presentations; adult & K-12 education, write multiple state or regional newsletters
- ✓ *Look for partnership opportunities*
- ✓ **Collaborate on grants - federal, state, foundation, others**
- ✓ Work to build public access to alternative fuels



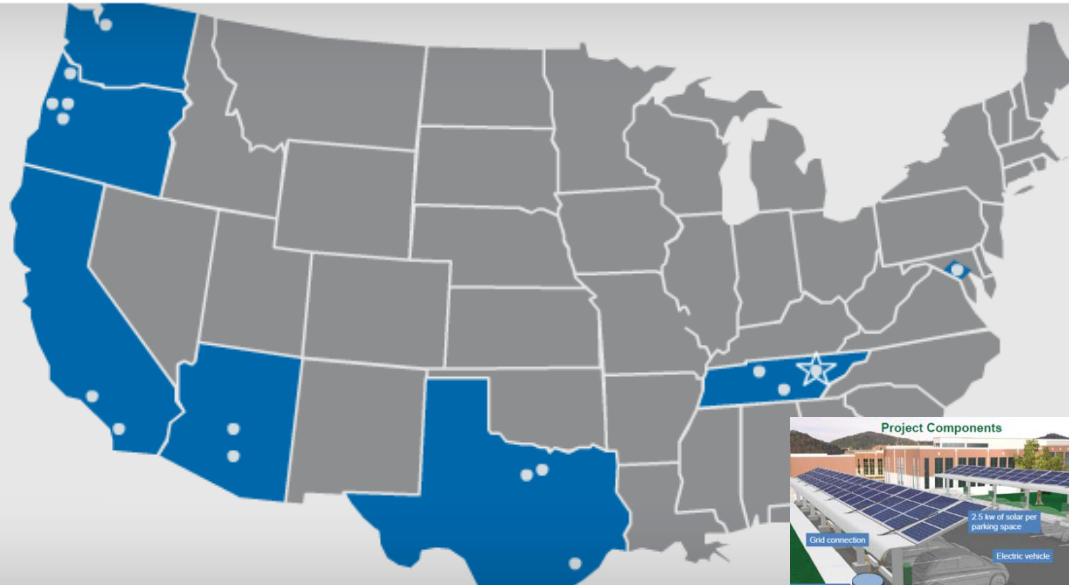
The EV Project – TN is a Unique Partner!



The largest deployment of EVs and charge infrastructure

Beginning in **2010**,
the EV Project will
deploy charge
infrastructure in
the following
major markets:

KNOXVILLE, TN



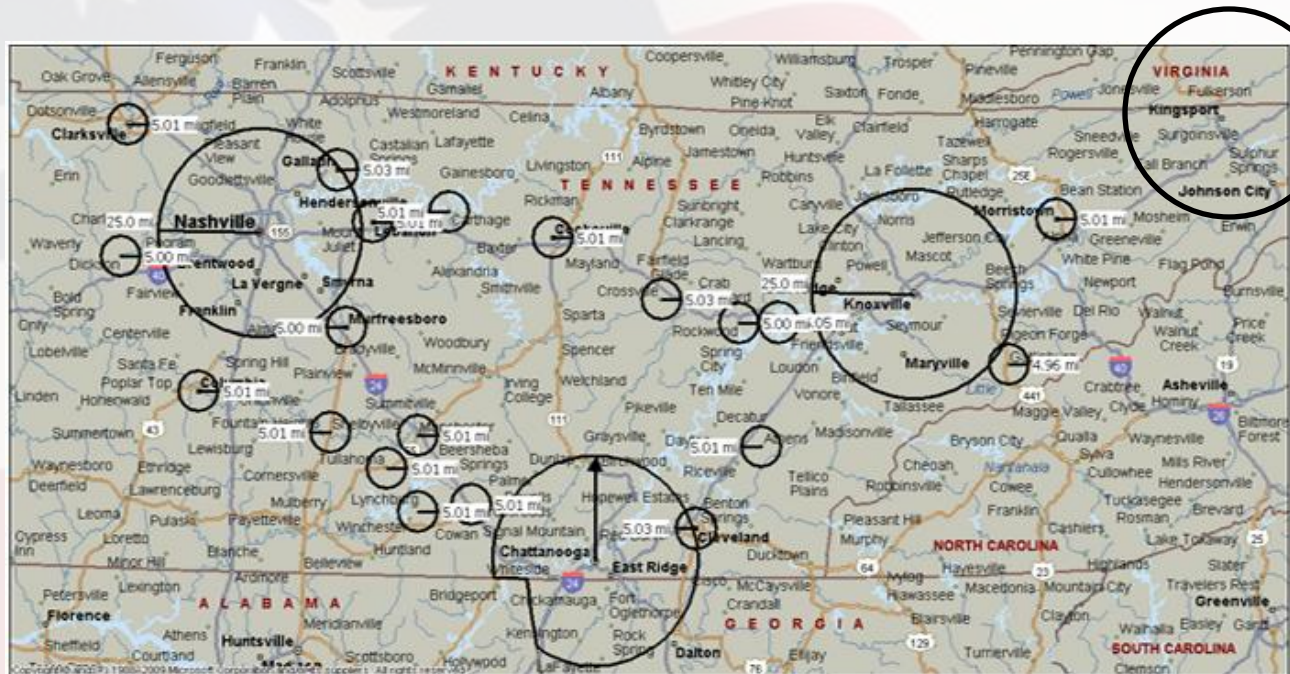
Los Angeles, CA
Portland, OR
Eugene, OR
Salem, OR
Corvallis, OR
Seattle, WA
Dallas, TX
Fort Worth, TX
Houston, TX
Nashville, TN
Knoxville, TN
Chattanooga, TN
Washington, DC



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The EV Project – Locations in TN

- ✓ Hardware “footprint boundary design”
- ✓ 3 major cities, plethora of connected, smaller cities



Working to Add L2s & DCFCs

- ✓ Really ramped up efforts to help place EVSE
- ✓ ECOTality lead for TN has had more issues out of Knoxville region than anywhere else; rubbed many people “raw”
- ✓ We are working to help get over the hump with the City of Knoxville and the Airport
- ✓ Taken lead on a number of sites both commercial & municipal
- ✓ Was able to get small contract w/ ECOTality for some work



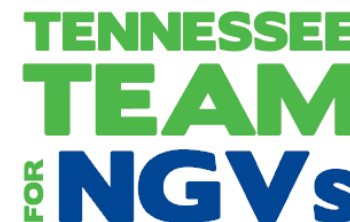
Other EV Efforts

- ✓ We have built an ET map w/ other EV references: www.ETEV.info
- ✓ Recently managed National Plug In Day event, and have started “mini” EV events



- ✓ We've also created a Facebook page & a Google doc (info list) for East TN EV Owners, both fleet & ind.; working to provide outlets for them to a) get to know one another better, b) partner with us, and c) for collaborating on EV and EVSE promotion

Tennessee Team for NGVs... *Cross-state Collaboration*

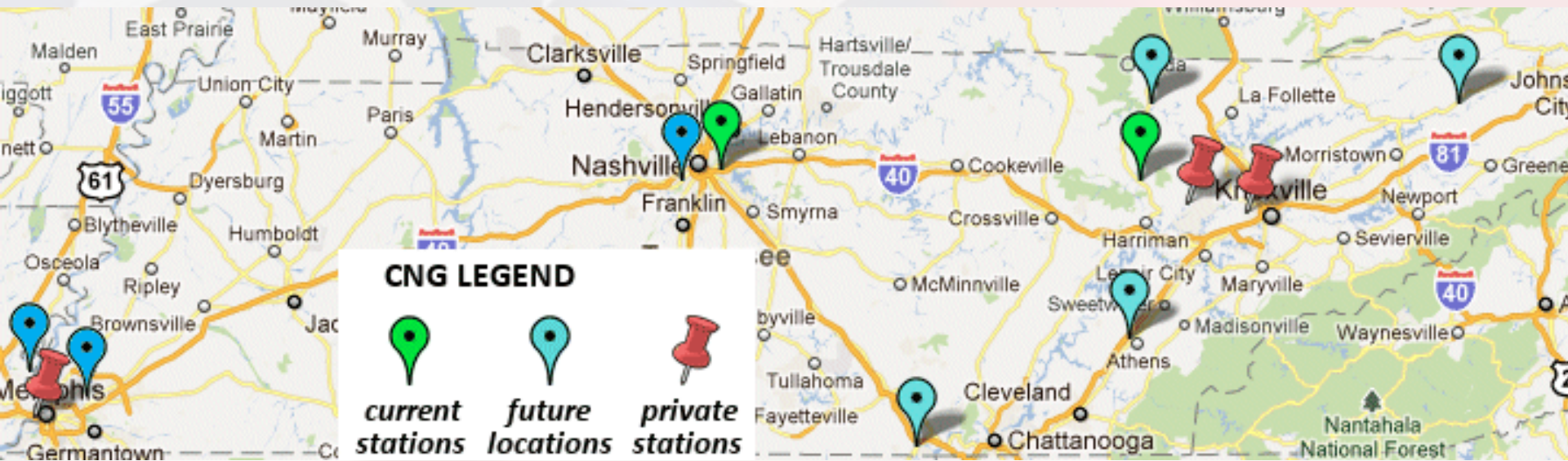


- ✓ Partnership of TN Clean Cities coalitions, TN Gas Association & other organizations to advance NG as transportation fuel in the state
- ✓ Have several items on 1-year agenda (e.g., education, legislation)
- ✓ *Working on fleets and public stations throughout the state to make this a viable alternative for Tennessee*



What is in TN now?

- ✓ Current Fleets: Knoxville Utilities Board, AT&T, MLGW, Scott Appalachian Industries, Piedmont NG, several city/county fleets
- ✓ Picture of Current and Planned Stations in Tennessee...



Crossville's Eco Travel Plaza - TSE

(One example of idle reduction action or technology)

- ✓ Goal = Cleaner, healthier place for truckers
- ✓ Providing 50 electrified spaces for HD trucks
- ✓ Reducing emissions by 70-99%
- ✓ Adding solar!!
 - Roof-top
 - 35 kW system
 - *Will offset much of the initial TSE usage to zero pollution!!*

Intent – work on more transportation projects that are EV that include solar!



TSE Equipment added in Crossville

Shorepower units



AireDock units



I-75 Green Corridor Project



- ✓ Add 10 E85 & 15 B20 public pumps @ 200 mile intervals
- ✓ Enable driving all the way from Sault Ste. Marie, MI to Miami, FL on your biofuel
- ✓ 1,786 miles – will be the longest biofuels corridor in U.S.
- ✓ Displace 1.7+ MGY of petroleum
- ✓ Proposed I-40 last year... didn't win

Corridor State Energy Offices



Coming – Biofuels Outreach Project

- ✓ Biofuels for fleets work
- ✓ Multiple workshops, ethanol and biodiesel
- ✓ Dealership FFV promotion
- ✓ Assist state in public station grant for E85 and/or B20 - placing these in locations that currently don't have access, or enough access
- ✓ Dispelling biofuel myths – Website-based info and using multiple social media to drive readers to our site and info
- ✓ Promoting biofuels as renewable, sustainable option for Tennessee fleets
- ✓ Other tasks included, too



Switchgrass

*Hear from the farmer himself -videos @
GeneraEnergy.net !*



My Questions to You

✓ All Fuels

- ✓ What % of your fleets (or major fleets) only implement a project when they can receive some kind of funding?

✓ Biofuels

- ✓ How are biodiesel or ethanol priced in your area right now?
- ✓ Do you have fuel suppliers that just don't get it (price E85 higher than gasoline, or biodiesel at public station much higher)?

✓ EVSE

- ✓ Related to your EV work and teams – how much of an issue is permitting in your area?



*“Do not follow where the path may lead.
Go, instead, where there is no path
and leave a trail.”*

- Ralph Waldo Emerson

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